



25 Oct 1979

The Missouri Miner, October 25, 1979

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Missouri Miner

Official Publication of the Students of

University of Missouri-Rolla

Thursday, October 25, 1979

Volume 68, Number 10

Twenty Pages



Nuclear Experts Differ In Views

A debate between James W. Benson, Governor Joseph Teasdale's nuclear safety consultant, and Ardath Emmons, University of Missouri-Columbia professor of nuclear engineering, was one of the high points of the University of Missouri-Rolla's sixth annual Conference on Energy, Oct. 16-18.

The debate was based on reports Benson and Emmons submitted earlier this year to Teasdale and the Missouri Atomic Energy Commission, respectively.

The two men agreed that Missouri is unprepared to cope with a serious nuclear accident or any other type of major disaster. (This was the primary focus of Benson's study.)

Benson maintained that utility companies, using trend forecasting, overestimate the public demand for power. He said that a Public Service Commission study showed needs below those estimated by Union Electric Co.

Emmons believes that the utility industry is probably the best source for such information. "If the first unit of the Callaway plant is not completed, the state of Missouri will suffer a degradation of electrical services as early as 1984," he reported.

Another basic disagreement, characterized by Benson as a "philosophical" difference, is in their approach to the future.

Benson believes that society cannot continue its "exorbitant style of living." He advocates conservation as the cheapest source of energy and says that society must adopt a new way of life.

Emmons agreed that there must be conservation, but added, "I don't think our children are going to be pleased with anything less than growth and a relatively high standard of living. You can't go backward."

Emmons also said, "In the near term, 1980 to 2010, the only significant non-hydrocarbon electric power generation

technology available to us is nuclear power. That is the simple, straightforward, scientific, engineering bottom line. If there were any other source available to us, I would say 'use it.'"

Classifying himself as neither pro- nor anti-nuclear, Benson said that his purpose was to "raise issues of concern to Missourians in the areas of cost, safety, health, emergency preparedness, transport of radioactive substances and disposal of radioactive wastes."

On nuclear safety, he said, "I am not an engineer, so I can't give you expert advice on this, but I attended President Carter's hearings on the Three Mile Island accident and it was brought out that the technology for operators of that plant, the most modern on line, is obsolete." He also believes that technology is inadequate for storing high-level radioactive wastes.

Emmons said that the Callaway plant technology is the current "state of the art" and is a facility that will be a "safe, reliable and relatively economical electrical power-generating station." He added that the Three Miles Island accident was a maximum credible accident. "The three worst things that can happen in a nuclear power plant — loss of coolant, core melt and containment breach — all happened, and no one was killed or hurt."

On fuel cost, he said that although the cost of uranium is going up, as it is for all fuels, it still costs less than coal or oil and is available within the confines of the United States. He also believes that waste immobilization techniques currently used are adequate for the long term.

"The problem has been blown out of proportion," he said. "If there is an increased risk from waste and waste management, it is an acceptable risk in terms of benefits to be derived from provision of an adequate supply of electricity."



Tonight the Jazz Band presents a concert at 8 p.m. in Centennial Hall.

(Photo by Schaeffer)

ASME President Visits UMR

Submitted by ASME

The National President of the American Society of Mechanical Engineers will be making a special trip to the UMR student section on Friday, Oct. 26. The visit is part of a cross country tour to celebrate the 100th anniversary of the ASME.

The president, Donald N. Zwiep, will present a short talk on past and future goals of ASME at 2:00 in Room 104 ME. The section advisor, Dr. T.R.

Faucett, urges students to attend. "This is one of the few times that such a prominent member of the National ASME will visit Rolla," says Faucett, "and the student members should make a special effort to meet him."

In addition to being the centennial of the National ASME, this is the 50th anniversary of the UMR student branch. The branch is some 200 members strong and holds monthly meetings.

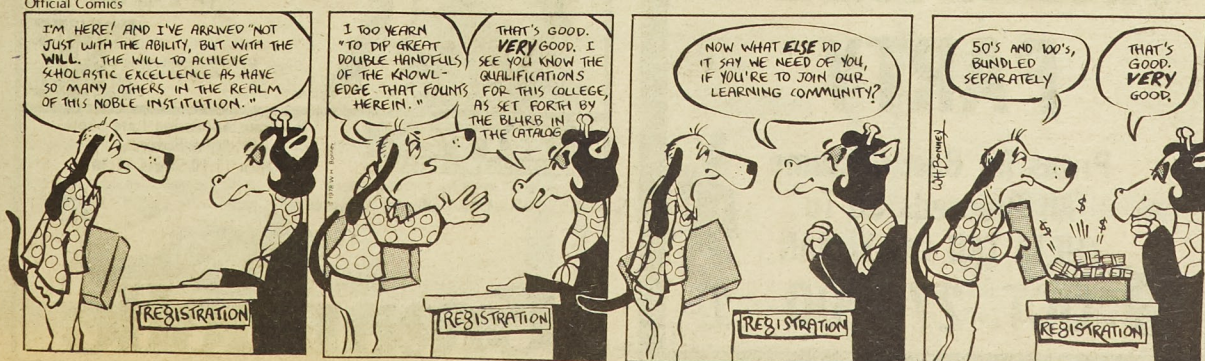
Dungeons & Dragons Feature - Page 8

TV Time

Priced High

TELE-BLIPS — Although this country may be headed toward a recession, thanks to our friends overseas, the TV industry shows no sign of slowing down. Already the three major 'webs' have sold virtually all of their prime-time commercial spots with record prices being paid out by the various advertisers. For instance, the highest priced 30 second commercial on ABC this fall is on "Happy Days," where a 30 second spot is pegged at \$140,000. On CBS, "MASH" rakes the greenbacks in at a tune of \$135,000 per 30 second blurb...Look for CBS to offer such second season series as "Beyond Westworld," "Young Maverick" and "Knotts Landing" a spinoff of "Dallas"...NBC has two sitcoms in production with January air dates in mind, namely, "Joe's World" and "The Further Adventures of Wally Brown"...ABC has "Salvage 1" and "Family" again, as well as "Semi-Tough" a series based on the Burt Reynolds football flick...

The MINER Needs : (besides what you might be thinking) News Writers Women's Sports Writer Layout Assistants



Activities

SUB Scripts

The evils of Halloween draws near and S.U.B. provides you a restless evening in the halls of the Centennial. Alfred Hitchcock's film classic, "Frenzy" will be showing in Centennial Hall this Friday at 8:00 p.m. Admission is free with valid UMR I.D..

Another night of heel stomping square dancing has been scheduled for October 30, at 7:30 p.m. in Centennial Hall. Come on down and yell-a-rock your partner.

The UMR student chapter of the Society of Mining Engineers is offering for sale to the students and alumni our belt buckle pictured.

So all you Miners don't get caught with your pants down. Get your Joe Miner belt buckle today.

Contact John Anderson at 364-9792 and 364-9769, or any SME member, or send \$5.00 to: Society of Mining Engineers, 125 Mining Bldg. UMR, Rolla, Mo. 65401

THURSDAY

TONIGHT'S MOVIE

Tonight's film in the Fourteen Great Film's Series is Kwaidan, directed by Ridley Scott. This is a collection of four ghost stories reminiscent of the best of Edgar Allan Poe. The movie will be held at 7:30 p.m. in the ME Auditorium. The cost is \$2.00 at the door.

BETA CHI SIGMA

There will be a meeting of Beta Chi Sigma, tonight at 7:00 p.m. in Room 201 of the Old Student Union. All members please attend.

M-CLUB

There will be an M-Club meeting Thursday at 7:00. The meeting will be in room 121 ME. It should be a very interesting meeting so be there.

EIT PREP SEMINARS

The Student Council is sponsoring Prep Seminars for the EIT (Engineer in Training) exam given in Jefferson City November 1. The following schedule:

Thursday, Oct. 25 CE 114 Statics and Dynamics, Dr. Hornsey
Monday, Oct. 29 CE 114 Heat, Power and ME, Dr. Sauer

FRIDAY

HALLOWEEN PARTY

There will be a Halloween party at Sigma Nu Friday, October 26 at 9:00 p.m. In costume — admission free, no costume — admission 50 cents. Sponsored by Little Sisters of the White Star.

ASME

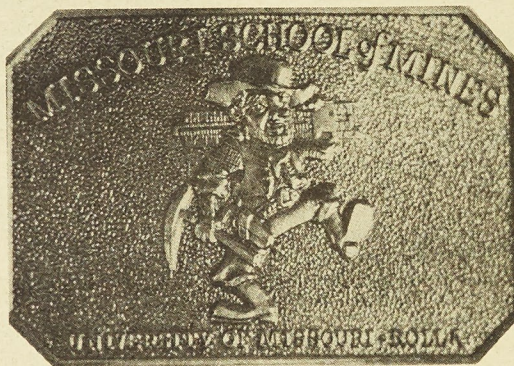
The American Society of Mechanical Engineers will hold a meeting at 2:00 p.m. Friday, October 26, 1979. The guest speakers will be Mr. Donald Zwiep, National President of ASME, and Mr. Paul Braisted, Vice-president of region 7 of ASME. The topic of discussion will be on the Centennial of the American Society of Mechanical Engineers. The meeting will be held in room 104 of the Mechanical Engineering Building.

ASME will also be sponsoring a tour of Anheuser-Busch in St. Louis, Missouri, on Friday, November 2, 1979. The tour will be leaving Rolla at 10:30 a.m. and returning at 6:00 p.m., (transportation to be announced). Sign up in Dr. Faucett's office, room 107 ME building, by 5:00 p.m. Monday, October 29. A two dollar deposit is required, however, ASME members will be refunded. Anheuser-Busch has planned a special Engineering tour which will be different from their regular public tour. EVERYONE IS INVITED!!!!

SATURDAY

TRAP & SKEET CLUB

The UMR Trap & Skeet Club will be hosting the annual UMR Missouri Collegiate Tournament at the Rolla Trap & Skeet Range Saturday, Oct. 27. UMR will be competing against various colleges from around the state such as CMSU, SMSU and William Woods to name a few. All those interested in participating call Bob Wille at 364-7176.



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MONDAY

HELIX

Life Science's Helix is having a meeting Monday, Oct. 29, 1979 in Room 121 of the Chem Eng Building. Meeting is open to all. Discussion will concern University Day activities and fund-raising projects.

WEDNESDAY

BLUE KEY STUDENT DIRECTORIES

Blue Key Student Directories will be available for those independents not living in dorms and fraternities on October 31 and November 1 between 9 a.m.-3 p.m. in the Student Union.

ROCKY HORROR

Come to the Sig Tau little sister's ROCKY HORROR, HORROR PART, Wed., Oct. 31, 8:00 p.m. at No. 5 Fraternity Drive. Prizes will be awarded for best costumes.

WESLEY

The Wesley Foundation will have its Halloween Party, Wednesday, Oct. 31 at 6 p.m. A prize will be given for the best costume. Games and refreshments are planned. Wesley is located at 403 W. 8th St., across from the post office parking lot. Everyone is welcome.

NODAY

DECEMBER GRADUATES

If you will be completing requirements for a degree at the end of the Fall semester, you should make application for that degree by going to the Registrar's Office at your earliest convenience. The Registrar's Office will not be able to include you with other students finishing undergraduate and graduate degrees on December 16 unless you make application with Lauren Peterson.

PREREGISTRATION

Preregistration for students now enrolled in school who will be returning for the 1980 spring semester will start October 29th and end November 2nd. For further information see the instructions in the front of the spring schedule of classes which will be available in the Registrar's Office October 25. All who will be returning in the spring should preregister regardless of mid-semester grades.

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News

Three Mile Island

Lessons Learned From Accident

SOURCE: OPI

Because of lessons learned from the nuclear accident at Three Mile Island, there should never be another "Three Mile Island," says Harold Denton, head of the Nuclear Regulatory Commission's team which investigated the accident.

Denton spoke at the University of Missouri-Rolla's annual energy conference co-sponsored by the Missouri Department of Natural Resources.

"The accident was a series of events, minor in themselves — equipment failure, design error, human error — any one of which would not have resulted in any accident," he said.

Terming Three Mile Island "the most investigated industrial accident in history," Denton said, "It will take a long time to fully digest what we learned."

Short-term follow-up actions include installing special phone lines from each reactor control room to NRC offices in Bethesda, Md., having resident inspectors at almost all reactors, and reviews of training and licensing of operators and emergency preparedness procedures.

"We have sent a letter to all reactor operating plants listing about two dozen changes that must be made by the end of the year," he said. "Some of these go to improving instrumentation in the reactor; some are for new requirements for operators."

Among the long-term actions, he expects recommendations for additional requirements in the technical and organizational capabilities of other managerial personnel to ensure the ability to handle emergencies such as the Three Mile Island accident.

Denton believes that there are probably not many gains to be made in the design of reactor hardware, but intends to emphasize improving the operational aspect. "There must be a total commitment to safety," he said. "For the operators, the first goal must be to operate the plant safely and secondly to generate electricity."

He believes that the effect of the accident upon the American public's attitude toward nuclear power is "that Americans are willing to give the nuclear industry one more chance. But if there's another accident of similar magnitude anywhere in the world within the next few years, I think the public will become very much disenchanted with nuclear and decide the technology is really not as developed as it should be."

Denton says he welcomes questions on reactor safety. "It is up to society to decide the question of whether we want reactors or not. If we had enough natural gas, we wouldn't need reactors," he added. "But the choice is between coal and nuclear generation of electricity. Neither is perfect; both have problems. But these are the fuel resources we have available in this country."

Final Exam Schedule

The final exam period will begin Monday, December 10, 1979, at 7:30 a.m. and end at 5:30 p.m. Saturday, December 15, 1979. Common finals are scheduled for those courses listed in Section II below. Room assignments for common finals will be announced by the instructor.

The courses not covered in Sections I, II, III are to be arranged by the instructor in cooperation with the students in that course.

I. Evening Course Finals are scheduled for the evening session during final week.

II. Common Finals include all sections unless otherwise stated. (Room to be scheduled by Registrar)

COURSE	FINAL EXAM TIME
Chem Engr 10	Thursday 10:00-12:00
Chem Engr 231	Thursday 3:30-5:30
Chem Engr 233, 262	Wednesday 10:00-12:00
Chem 221	Wednesday 3:30-5:30
C Sc 73	Tuesday 3:30-5:30
C Sc 74	Tuesday 10:00-12:00
C Sc 83	Thursday 3:30-5:30
C Sc 163	Tuesday 3:30-5:30
C Sc 218	Tuesday 3:30-5:30
C Sc 260	Monday 10:00-12:00
EE 61	Wednesday 3:30-5:30
EE 63 A, B	Thursday 10:00-12:00
EE 63 C, D	Tuesday 3:30-5:30
EE 211 A, B	Tuesday 3:30-5:30
EE 231 A, B	Wednesday 3:30-5:30
EE 251	Thursday 3:30-5:30
EE 265 A, B	Wednesday 10:00-12:00
EE 273	Thursday 10:00-12:00
EE 283	Wednesday 3:30-5:30
EE 313	Wednesday 10:00-12:00
EM 50,150,170	Tuesday 10:00-12:00
EM 110	Monday 10:00-12:00
Geol Engr 50	Thursday 10:00-12:00
Hist 60 A,B,C,D,E,F,J,K	Wednesday 3:30-5:30
Hist 111,112,175,176	Wednesday 3:30-5:30
Math 2,4,8,21,22	Monday 10:00-12:00
Math 6	Wednesday 10:00-12:00
ME 204, 229	Tuesday 3:30-5:30
ME 225,227,279	Thursday 10:00-12:00
Phys 21,23,24,25	Wednesday 10:00-12:00
Phys 107	Monday 3:30-5:30

III. Regular Finals

FIRST WEEKLY CLASS

MEETING TIME	FINAL EXAM TIME
Monday 7:30	Monday 7:30-9:30
Monday 8:05 or 8:30	Wednesday 7:30-9:30
Monday 9:30	Tuesday 7:30-9:30
Monday 10:30	Thursday 1:00-3:00
Monday 11:30	Friday 7:30-9:30
Monday 12:30	Monday 3:30-5:30
Monday 1:30	Friday 10:00-12:00
Monday 2:30	Friday 3:30-5:30

Tuesday 8:05 or 8:30	Monday 1:00-3:00
Tuesday 9:30	Thursday 7:30-9:30
Tuesday 10:30	Friday 1:00-3:00
Tuesday 11:05 or 11:30	Tuesday 1:00-3:00
Tuesday 12:30	Wednesday 1:00-3:00
Tuesday 1:30 or 2:05	Saturday 7:30-9:30

DNR Director: "Energy Crisis Is Over"

SOURCE: OPI

Fred Lafser, director of the Missouri Department of Natural Resources, said, "The energy crisis is over," in his keynote address to the University of Missouri-Rolla — Missouri Department of Natural Resources energy conference which started Tuesday morning, Oct. 16, at UMR.

"The word 'crisis' indicates a decision point. The energy crunch is now a way of life with us," he said.

"Missouri is not an energy-producing state, so energy alternatives — the theme of this conference — are extremely important to us.

"Everyone must address his or her own energy consumption patterns and see how he or she can use less energy."

Lafser said that the most pressing energy problem for Missourians is cost. "We are dealing with fuel bills that are higher than housing payments."

He said he doubts that we are

going to find a new discovery to solve our energy problems, but that we have many ideas which, collectively, can alleviate the situation.

The talk kicked off the energy conference which ran through Thursday noon, Oct. 18 at UMR. James W. Benson, Governor Teasdale's energy consultant, addressed the noon luncheon on Tuesday, and debated Ardath Emmons, University of Missouri-Columbia professor of nuclear engineering on "Nuclear Power in Missouri" Tuesday afternoon.

Harold Denton, of the Nuclear Regulatory Commission discussed his experience as chief investigator at Three Mile Island at a noon luncheon Wednesday, Oct. 17, in the University Center Centennial Hall.

UMR Chancellor Joseph M. Marchello welcomed the 300 conference participants and J. Derald Morgan, conference chairman, made the introductions in the opening session.

Missouri Miner

The MISSOURI MINER is the official publication of the students of the University of Missouri at Rolla. It is published weekly at Rolla, Missouri. The MISSOURI MINER features activities of the students and faculty of UMR.

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Subscriptions are available to the general readership at a rate of \$6 per semester.

Articles and photos for publication in the Miner must be in by 9:00 p.m. on Monday before printing on Thursday.

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See Capt. Goodman on campus the 29th and 30th of October in the Student Union from 9:00 a.m. to 4:00 p.m.



Speech Dealt With Energy Reality

SOURCE: OPI

Llewellyn King, publisher of The Energy Daily, asked the question, "Why don't we want to regard the reality of our energy situation?" in his banquet speech Wednesday evening, Oct. 17, at the University of Missouri-Rolla — Missouri Department of Natural Resources energy

conference in the University Center.

"There is no simple answer," he said. "The issue deals with many factors — cultural and sociological."

But he attributed the public's dissatisfaction with our energy producers to the 60's when "that troubled decade changed the nation's confidence in itself." He said, "That period caused

Americans to believe you can't trust institutions or technology, because technology is a product of large institutions."

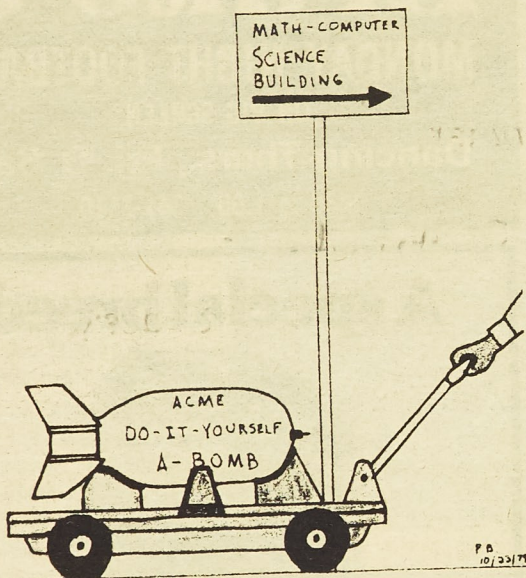
King said that, "The last three administrations have failed to make a dent in the energy problem — have been unable to convince the public of a sense of urgency. One would think the nation would be single-minded in using all its resources to face this largest single challenge we have seen in our history."

Dale Abrahams, seen here with teacher Linda Sparlin, is one of the 21 students benefiting from voice and piano instruction this semester. The lessons are part of the Music Minor program, but are open to any student interested. See the Preregistration Schedule for more information about next semester's program.

(Photo by Farley)

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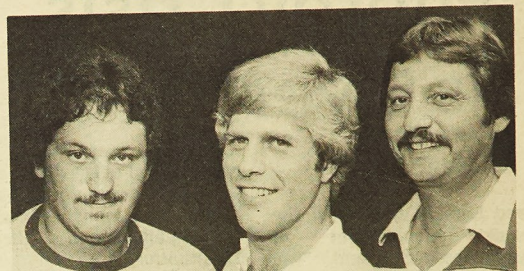
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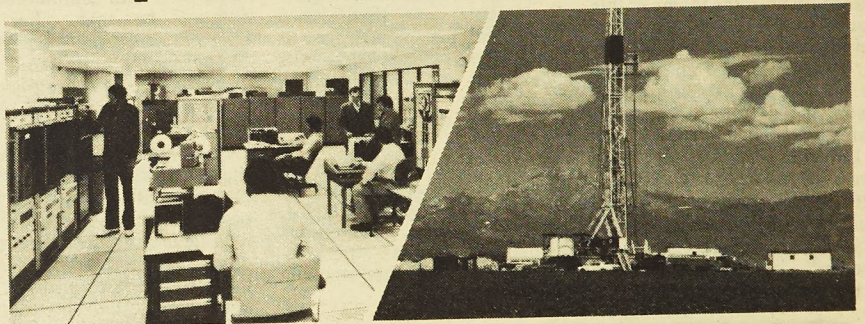
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Gay Faculty Not Happy

Colleges Biased Against Homosexuals

Campus Digest News Service

Gay academics regard colleges and universities as congenial places for homosexuals, but agree that administrators and faculty members are sometimes biased against them.

They claim that some colleges regularly dismiss faculty members for their homosexuality, while others simply avoid hiring homosexuals. Gay faculty members are often subjected to more administrative scrutiny and suffer from job insecurity. The gay faculty say that large, public universities are usually more tolerant of homosexuality than religious colleges or small, conservative campuses.

Job applications from openly homosexual faculty members usually get no reply. Just a few months ago, a Midwestern graduate started looking for a college teaching position and included in her dossier two articles she had published dealing with the homosexual influence in literature. She received no replies, until at a friend's suggestion, she removed the two articles from her dossier. Almost immediately she received a request for an interview.

Some gay faculty members, fearing the intolerance of administrators and faculty, prefer not to disclose their homosexuality. The more established faculty members are, the less fearful they are of the consequences of being openly homosexual. However, most homosexual faculty members finally decide to "come out of the closet" because they cannot stand the schizophrenia of being homosexual in one part of their life and heterosexual in another.

One of the most notorious cases in higher education of discrimination against a homosexual is that of Richard Aumiller. The University of Delaware fired Aumiller, not for being homosexual, but for publicly talking about it.

Two local newspapers and the university's student newspaper had quoted Aumiller in articles about homosexuality. Shortly after, in Dec. 1975, the university's president, E.A. Trabant, decided not to renew the contract of the untenured lecturer. According to Trabant, Aumiller was dismissed for his advocacy of homosexuality and his failure to state in the newspaper articles that his views were not representative of the university's.

Aumiller was awarded \$27,000 in back pay and damages, by a federal court. The university later appealed the court's decision but lost its case.

Aumiller, now theater director at Duke University, says that administrators object, not to a faculty member's homosexuality, but rather to the public knowledge of the homosexuality.

Gay faculty members say that research and teaching in fields related to homosexuality are often held suspect by administrators, and that activity in these areas can become a threat to a member's employment or promotion.

Micheal Lynch, a professor of English at Erindale College of

the University of Toronto, was nearly denied tenure when he started a gay-studies course.

Lynch began teaching the course in 1973 at St. Micheal's College, a Catholic affiliate of the university. He says that, although the course was being taught in another section of the

university, the president of St. Micheal's asked him to stop teaching the course. He also asked Lynch not to identify himself with the college in off-campus gay activities.

Lynch and St. Micheal's compromised on the matter and when Lynch's tenureship

became due, it was agreed that it would be granted only if he later transferred to another part of the university.

Lynch believed that the negative attitude toward his teaching was due to the college's affiliation with the Catholic church. He said that

the college would not have hired him if the officials had known of his homosexuality.

Rev. John Kelly, the head of St. Micheal's during Lynch's term there, says he was concerned that the "institution not be used as a platform for espousing homosexuality."

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Features

Ye Who Struggle

We have recently emerged from a period of mental strife. Each of us has achieved individual results of some sort, and since our destinies are so closely related to these records we are now making, our minds are, perhaps, a bit more tuned to considerations of scholastic attainment, its worth, edict to his students, the wisdom of which is obvious. We are impressed with it, so it is reproduced for your benefit:

The grades you have been given represent an honest effort on the part of the instructors in this department to equate your work in each course to a numerical value. Quiz results alone do not make a grade. Oral quizzes, effort, and the knowledge you show in conversation in the laboratory are all used in giving you a grade. Often times the student is

given what may seem to him a low grade. An attempt is made by the staff to give too high a grade rather than one that is too low.

A man in business is a failure unless his business prospers. If, in addition to succeeding in business, he can also succeed in being a good fellow, or a good golfer, that achievement is all to his credit. But if he fails in business while he is winning the golf championship, nobody will think highly of him.

That's the way it is at school. Your main job at school is to master your lessons. If you can do this and take part in campus activities everyone will honor you. But if you flunk your studies you are not only doing yourself an injustice, but you are a discredit to your parents, who in many cases are making a sacrifice to keep you in school.



At last! A use for the Missouri Miner.

(Photo by Schaeffer)

Ediletters

Dear Mr. Frank and Staff:

I would like to thank you all for your excellent publicity of this year's Homecoming events. Thanks to your efforts, we had one of the best Homecomings in years in terms of student participation at the various events.

The members of the Student Union Board appreciate your efforts and hope that our organizations can continue to work closely together in the future.

Thank you once again.
Sincerely yours,
Yoelit Shapiro
Special Events Director
Student Union Board

Dear Bill:

Correction, please!
I enjoyed the article on page 5 of the Oct. 18th Miner about Cathy Lally, Homecoming Queen. However, I take issue with the author's, Steve Winters, statement at the end of

paragraph 3, "...this being a first for this campus in that a black girl has never made it to the finals."

If one looks back in the 1976-77 Rollamo, p. 140-141, he will find UMR's first black Homecoming

Queen, Sharon Warren. She was nominated by Alpha Phi Alpha. Open mouth, insert foot.

Sincerely,
Bob Stevens
Std. No. 45885

This space contributed by the publisher

**ON THURSDAY
NOVEMBER 15TH
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ANDS
OR**



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Reflections

WHAT'S THE HURRY?

He was late. He was late. He was late. Who knows if he ever made it to that very important date and who cares? What I want to know is why Alice went tearing after him? All she got out of it was a tumble down a rabbit hole.

Everyone is in such a hurry. Cars slide through the intersection on yellow. Another four cars screech to a jerky stop at the last minute, then slowly nose forward. Drive-in banks, Drive-up windows at restaurants. Drive-through liquor stores, and now pull-through mini-groceries. No one has time for anything. We are all voices over speakers and faces behind glass. If you do not keep up, you get left behind, trampled and swept up on the third Monday between 4:00 and 6:00 a.m.

No one accomplishes everything they want to in a day. I really do not expect people to slow down when I flutter my hanky; nor do I look for the man running me down in the crosswalk to stop his car, leap out and spread his polyester jacket over the mud puddle. However, please refrain from telling me you do not have time.

Each of us has 24 hours in a day. What we do with that time is our own decision. Neither one of us has more or less time than the other.

Whenever you mutter, "I don't have time," you really mean, "Something else is more important." It is all a matter of priorities.

Don't have time for Church because of Saturday's party? Don't have time to visit your mother because you are cleaning house for the bridge club? Don't have time to write your old neighbor because you're making yourself a new outfit?

Fine, if you really think those things are more important. If you have spent all week doing volunteer work at the hospital and this is the only free afternoon you have to clean ... If you worked an 80-hour week before going to your best friend's anniversary party and you rarely miss church ... Or if you just ripped the seat out of your only pair of good slacks and the bridge club meets tomorrow ...

Just try not to convince yourself that you do not have time for things that should not be shelved. Twenty-four hours in not enough time to do everything. Use your time wisely.

Dorothy made such a mad dash down that yellow brick road just to find the Wizard of Oz was fraud cowering behind the skirts of a curtain. Her most valuable find was in those she met on the way. I wonder what discoveries Alice could have made in the time she wasted floundering around in that rabbit hole.

— D. Hamilton

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Chinese Cultural Exhibition

Monday, October 29

7:00 p.m. Welcome:

Dr. Joseph M. Marchello,
Chancellor, University of
Missouri-Rolla

7:15 p.m.

1. PRELUDE 2. DRUM DANCES

A solo performance on a set of drums (one big drum, one t'ang drum, and five small drums) introduces three drum dances: Surf-riding Drum Dance, Flower Drum Dance of Feng Yang, and the Peaceful Drum Dance.

3. CHINESE FOLK SONGS

4. WINE OFFERING DANCE

5. BORROWING THE IRON FAN

An episode adapted from the famous Chinese novel, Journey to the West, in which Tripitaka leads his three disciples (Monkey, Snady, and Piggy) to India in search of Buddhist sutras. A mountain in flames, which are simulated by colorful ribbons, blocks their way and forces them to withdraw temporarily. The Princess of the Iron Fan enters and Monkey notices that the flames are extinguished and rekindled with the ups and downs of her iron fan. Monkey attempts to borrow the fan in vain. In the ensuing fight, he is soundly beaten. The Princess, however, willingly lends her fan to Tripitaka when she learns the purpose of his journey.

6. FLUTE PLAYING

7. WOMEN WARRIORS IN BATTLE

A typical treatment of a fierce battle in traditional Chinese theater, the performance demonstrates various troop formations and uses of weapons. Noteworthy is the synchronization of body movements and accompanying music.

8. DRAWING A HORSE

A horse is brush drawn within four minutes, accompanied by p'i-p'a music. Near the end of the demonstration, the music rhythm quickens and a flag dance starts, suggesting that the horse may be galloping.

9. A HEAVENLY MAIDEN STREWING FLOWERS

Preceded by fairies strewing flower petals to bless mankind, the heavenly maiden enters to perform a dance with her duster which frequently symbolizes a supernatural being. Her second number is the ribbon dance. Both are accompanied by the music and

singing of K'un Ch'u, a dramatic form that prevailed in China between the 17th and 19th centuries.

10. BASIC MOVEMENTS OF CHINESE BOXING AND SWORD FIGHTING

11. A GLIMPSE OF THE ABORIGINES IN TAIWAN

An aboriginal youth in Taiwan sings happily to greet the dawning of a bright new day, and is joined by others. While the men busily prepare for hunting, the women first lend a hand and then begin their work in the field. The men then bring back their quarry, a boar, and the whole community joins together for a celebration.

Dusk comes. A girl enters on tiptoe, with a love song in the background. Her friends arrive



and tease her when they see the betel-nut bag that she carries, for it is an obvious present for her lover. Her lover indeed comes. They dance, but soon find themselves surrounded by cheerful neighbors. The young man finally sheds his shyness and proposes to his beloved by raising his right leg and holding his ears with his hands the girl indicates her acceptance by entwining her right leg with his, also holding her ears. The wedding takes place on the spot and the groom carries off his bride on his back.

12. CHINESE KUNG FU

13. AMERICAN FOLK SONGS

14. CURTAIN CALL

8:45 p.m. Expression of Appreciation:

Francis I-Peng Tang,
President, Chinese Student
Association

8:50 p.m. Reception

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a fantasy role playing game

Dungeons & Dragons

Where can calm, mild mannered students turn into fighting men, magic-users and clerics in the pursuit of gold and riches? No where else but in the realm of Dungeons and Dragons (D&D), a medieval fantasy role playing game.

D & D is ideally meant for three or more adult players: one must serve as the Dungeon Master (DM), the shaper of the fantasy milieu, the "world" in which all action will take place. The other participants become adventurers by creating characters to explore the fantastic world and face all of its challenges — monsters, magic, and unnamed menaces.

Each character begins at the bottom of his or her chosen class (or profession). By successfully meeting the challenges posed, they gain experience and move upwards in power, just as actual experience really increases skill. Imagination, intelligence, problem solving ability, and memory are all continually exercised by participants in the game.

The magnitude of players is what comprises the D & D phenomenon. And it is phenomenal, as this, the granddaddy of all role-playing games, continues to expand.

Text by Linda Ponzer

Beginning

This growth can be evidenced in the volumn of books, dice and minitures that are sold for use in the game. To date, the Rolla Craft and Hobby store has a waiting list for the most recent D & D publication — The Dungeon Master's Guide.

D & D got its start from the now defunct Castle and Crusade Society. Dave Arneson is credited with the creation of the first D & D campaign and since that time, D & D groups have formed all over the United States.

UMR houses many groups of D & Ders. Such groups exist wherever a love and—or fasination for the medieval world exists.

The Basics

The game is centered around the group's DM. As far as needed material components, all that is needed are dice, graph paper, colored pencils, an eraser and lots of time.

Preparation for the game is lengthy. Every player must "roll-up" a player character or game persona(s). Each player develops the abilities of his or her character through random number generation (by means of dice rolling) to determine the basic characteristics of the

persona. The player also chooses the character's race, class, alignment and also christens or names the character.

There are six basic abilities or characteristics which are randomly rolled. These are: strength, intelligence, wisdom, dexterity, constitution and charisma.

Strength is a measure of muscle, endurance, and stamina combined. This is the main characteristic of the fighter. A strength of 18 is considered exceptional and entitles the character to roll two twenty-sided dice to generate a random number between 01-100. This strength allows one to carry more weight in or out of the dungeon. It also gives one a bonus when attacking an opponent.

Intelligence is similar to what is currently known as intelligence quotient, but also includes mnemonic ability, reasoning and learning ability.

Wisdom is a composite term for the character's alignment, judgement, wile, will power, and (to a certain degree) intuitiveness.

Dexterity encompasses a number of physical attributes including hand-eye coordination, agility reflexes, precision, balance and speed of movement. A high dex indicates superiority in all of the above attributes, while a low dexterity might well indicate that one of these attributes is actually superior, but that all the others are poor.

Constitution encompasses the physique, fitness, health, and resistance of the character. This score is extremely important and should be above a 10 for any character.

Charisma is the measure of the character's combined physical attractiveness, persuasiveness and personal magnetism.

There are seven basic possibilities in regards to the race of the character. These include: dwarven, elven, gnome, half-elf, halfling (hobbit), half-orc and human. The race determines certain innate abilities. For example, the race of dwarves are all able to speak the languages of gnome, goblin, kobold, orcish, dwarven, as well as 'common'. They also have 60 foot infravision, are skillfull miners and add plusses to saving throws versus magic.

The character class refers to the profession of the player character. One can choose between these classes: cleric, druid, fighter, paladine, magic-user, illusionist, thief, assasion, and monk.

Playing D & D

After generating the character's abilities, selecting race, and class, it comes time to determine the alignment. There are nine possible alignments, ranging from goody-goody to purely evil. They are: chaotic evil, chaotic good, lawful good, chaotic neutral, lawful evil, lawful neutral, neutral good and true neutral. There are some limitations regarding class and alignments to which your DM will inform you.

Once your player character is ready — the game begins.

Play begins as the party of explorers heads towards the dungeon or castle they are going to explore. The DM handles all encounters, governed by the roll of the dice. One can encounter a kindly wizard, crazed dwarf, dragon or any of the vast number of creatures in the realm of D & D.

As you progress from known territory through the uncharted areas the chance of encounters increases.

You gain experience points for all the creatures you kill and for all the wealth you find. Through accumulation of those points you gain levels of experience. With every additional level one attains, a bonus is added when attacking creatures and also more powerful spells are available to magic-users, druids, illusionists, and clerics.

It is important to have as leader of the group, someone who can take charge of the party completely. Someone who the majority of the party will follow. The leader is responsible for marching order, found wealth distribution (who carries what) and to some extent, the time spent on an adventure. He must weigh daylight time left and injuries sustained versus increased danger of attack when the sun starts to set. Resurrection, though possible for player characters, is expensive and takes alot of game time.

Advice

Before you go out and play some D & D pick up a copy of the Advanced Dungeon and Dragons Players Handbook or borrow one from someone, then read at least the first forty pages and the last ten pages before the appendix. I consider the knowledge contained within these pages necessary to properly play the game. Also before you try to DM, you should play the game for a while.

Illustrations Copyrighted by TSR Hobbies



A typical exploration party could include (from left to right) a dwarfen fighter, human fighter, elfin magic-user, half-orc cleric and a half-elf magic-user.

Special thanks are extended to Gary Gygax, author of the series of Dungeons and Dragons books for the use of copyrighted materials enclosed in this article. D & D books are available locally at the Rolla Craft and Hobby store or through TSR Games, Box 756, Lake Geneva, Wisconsin 53147.



"Two explorers are shown here doing battle with a huge monster of the reptile family, typical in D & D."

Bill and Joe

Bill Miner

As we last saw Bill, his girlfriend had just left to go back home, and Bill lay back down to try regaining some sleep which he had lost that weekend.

Bill's week was one of those boring ones which is commonly found in Rolla. The whole week, all Bill could do was think that he would be going home that weekend for his girlfriend's homecoming.

As the weekend progressed Bill was late for everything, including picking up Ellen to go to the parade which he was supposed to drive in.

When reaching Ellen's house, she noticed that Bill was running around in suit and tie, but no shoes or socks. Letting Bill know this, he felt like a real

dummy and quickly ran back to his house to get the rest of his clothes.

During the parade, Bill made a good time out of driving three gorgeous gals who were on Homecoming court and flirting with nearly all of them.

When it came time for the court procession during the football game, Bill made a fool of himself by going the wrong way on the field. Ellen didn't make queen. All in all that was alright, and no one got too upset.

The Homecoming night just wouldn't have been right unless Bill could help run up a seventy dollar dinner bill, which was no trouble at all.

The next day, Bill once again returned to the town of excitement, the place of 1001 thrills, the place where everyone goes to have a good time.

The only problem is that when Bill got on the bus to go back to Rolla, the busses got messed up and he ended up in Chicago, in which case, he had to ride all the way back to Rolla that night.

Bill was up all night, riding and studying for a test the next day and ended up hitting the sack at about 4:00 a.m.

Somehow, Bill managed to wake up for his 9:30 Diffique test, but also fell asleep during it. Needless to say it was a total flop.

When he finally woke up, Bill started moping around the campus because he knew that he wouldn't see Ellen for almost another month.

As he went back to lunch, he sat down at a table full of good looking gals, and getting in a conversation with one, she asked Bill to come by and help her with some homework that night. Bill thought that this might help to cheer him up, so he agreed.

He went to the gal's room that night and the two went right to work. About two hours later, Bill got ready to leave, only when trying to do so, the door wouldn't open and the windows were stuck shut, no matter what they tried, nothing would work. Bill was just stuck for the night.

Joe Miner

As we left Joe, he had tried drowning his sorrows at the EAT bar after realizing that he had ruined his Saturday night with Boom Boom because he got drunk and then got sick.

After getting plowed, Joe decided to go back up to his

room and try sleeping the whole matter off.

10:30 Monday morning rolled around and Joe had missed his 7:30 Calculus and 8:30 Chemistry classes.

Two of Joe's pledge brothers had tried getting him up for the last hour, and when they gave up, a few of the older actives picked him up, threw him in the back of their car and proceeded for Schuman Pond.

Upon arrival to the skum-covered pond, the actives dragged the sluggish body of Joe to the edge where they slipped him in about halfway.

With this, Joe suddenly awoke. After seeing the eyes in Joe's head go from nothing to the size of baseballs, the actives threw him out into slightly deeper water.

It was more than 15 seconds now since Joe was thrown under and still no sign of him. The actives were getting a bit worried, but still skeptical.

After almost another half minute had gone by, the actives then themselves dove into the skum-filled water looking for Joe.

As they were searching the area, Joe quietly slipped out of the water and sat under a large pine tree on the bank.

The search went on and on for almost another twenty minutes until Joe could no longer hold the laughter in, seeing the actives all covered with skuz and having a worried look on their faces like they had done something wrong.

The actives got more than furious with Joe's trickery and with this, hauled him back to

the EAT house where he was put back on double house duties. It seemed to Joe that there just wasn't any getting ahead anymore.

During all of this, Joe had missed his EE 281 test, with his favorite professor none the less, "Captain Senility".

After getting cleaned up, Joe decided to go and have a talk with his prof, hoping that he would let Joe make up his test.

As he knocked on the prof's door, Joe walked in and said, "Dr?, now if you have a minute or so, I'd like to talk with you."

"Sure Joe," the prof said, "what can I help you with?"

"Well, sir, as you know. I missed your class today and also your test, but before you say anything, I'd like to explain. This weekend was a bit more than usual. First I had to take out this gal named Boom Boom to all of the Omecoming stuff, then she stepped on my feet, my roommate's waterbed blew up on us, we got booted out of the house, had to sleep in my car, got massacred by Little Crow, Blackfoot, and Chief Running Water, then to top all of that off, I was kidnapped this morning and a few people tried drowning me. Please let me make up the test."

"Well, Joe," the prof said, "I like your imagination today, it's better than that on your last test, and I guess I'll let you take the test over, only this time, please don't do it in essay style."

With this, Joe left with a smile to head back to the EAT house to do his house duties. Upon reaching the house, Joe noticed that all of his worldly goods were placed on the front lawn as they were in his room. Attached to his pillow was a note.

Dear Little Bro.

It is by popular vote of the actives in the house that you live under the stars for one week while we quietly recuperate from the weekend. (i.e. no Boom Boom)

Love,
Big Bro

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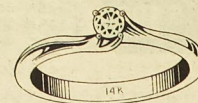
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Robert Redford, Tiny Tim, Lefties Together

What does Tiny Tim have in common with Robert Redford? Or Alexander the Great with George Gobel? Or Euell Gibbons with Jack the Ripper? They are all part of a significant minority — more than ten percent of the population — who are left-handed. There are a lot of other known lefties: from Carol Burnett to Leonardo da Vinci, from Ben Franklin to Mark Spitz. So, if you happen to be a frustrated lefty, hang in there; you are at least in good company.

But, as any left-hander well knows, life in a right-handed society is not exactly a bed of roses. For with each rose, is the unforgettable thorn.

Look at pencil sharpeners or hand-operated can openers, Polaroid cameras, screws, gearshifts, phone booths, fishing rods, bowling balls, and even gum wrappers. They are all things manufactured solely for use by right-handed people.

There is also the problem of sitting next to a right-hander in a fast food restaurant or crowded cafeteria. One would think that the right-handed majority would help to lighten the load. But the prejudice seems to be a more deep-seated one.

Some of this prejudice shows up in the world's languages. The French word for left implies, "lacking in social grace, crude, tactless." The German

word means, "awkward," the Italians say, "deceitful," and the Latin word is "sinister." Revealing two prejudices, Australians refer to lefties as being "woman-handed." Even our own dictionaries view left-handedness as being doubtful, clumsy, and awkward. Have you ever had "two left feet," or been "out in left field," or been given a "left-handed compliment?"

When by comparison, there are so few, the definitive question naturally comes up: what makes a person left-handed?

One theory denotes the origin of left-handedness to the ancient practice of soldiers holding their shields in their left hands. Another relates left-handedness to the position of the heart. A third insists it is due to an insufficient amount of blood being delivered to the brain (particularly the left half of the brain). Still another theory views left-handedness determined by which eye is favored.

Researchers then dug up this treasure: left-handedness can either be inherited through parents or learned by imitation of a brother, sister, or even a teacher. Misguided parents therefore interpreted their child's left-handedness as a direct result of poor training. Eager to correct their mistakes, many parents

scalded their child's left hand and arm. Others, in order to stop the child from using the left hand, tied it to his side. These common occurrences naturally forced many children to switch.

By the late 1920s the word filtered through to worried parents and teachers. Research showed that lefties were not inferior, contrary to popular belief. "There is no significant relationship between left-handedness and intelligence, school achievement, physical stature or emotionality," the experts assured the world.

One solution to the left-handed dilemma was posed by Plato, who insisted that people learn to use both hands ambidextrously. The artist, Leonardo da Vinci; picked up the idea and apparently painted with both hands. He could also write with both hands simultaneously, forward with his right hand and backward with his left. This mirror writing is not uncommon among left-handers. Leonardo even went as far as to keep a journal written entirely in mirror writing.

For those who do not happen to be ambidextrous, being a lefty clearly has its limitations. To assist with the problem, enterprising individuals have begun marketing products expressly made for left-handers: scissors, golf clubs, can openers.

For those who want to take aggressive action, James de Kay, author of "The Left-Handed Book" gives three suggestions: buy left, patronize left, and act left.

Purchase only left-handed products. Borden's Cheese Spread is one of the few products with a tear strip that works for left hands as well as right. Or for those with a little more class, buy an English car; the left-handed gearshift is free.

Purchase only the works of left-handed artists. And there are plenty: Michaelangelo, Leonardo da Vinci, Pablo Picasso, Raphael.

Stand up for your lefts! Eat left, even if that elbow does protrude. If you can't find a left-handed tool, forget the job. Write backwards if you have to in order to write left.

Singly, as a left-handed American, you can accomplish nothing; but once united you can change the world! When the revolution comes, don't be left out.

Famous Lefties

Alexander the Great
F. Lee Bailey
Robert Blake
Carol Burnett
Lewis Carroll
Vikki Carr
Charlie Chaplin
Charlemagne
Jimmy Connors
Hans Conreid
Leonardo de Vinci

Clarence Darrow
Richard Dreyfuss
Queen Mother Elizabeth
Peter Fonda
Gerald Ford
Henry Ford, Jr.
Ben Franklin
Allen Funt
Judy Garland
Lou Gehrig
King George VI
Euell Gibbons
George Gobel
Lefty Gomez
Rex Harrison
Joey Heatherton
Jimi Hendrix
Herbert Hoover
Rock Hudson
Jack the Ripper
Danny Kaye
Caroline Kennedy
Sandy Koufax
Michael Landon
Rod Laver
Steve Lawhead
Cloris Leachman
Cleavon Little
Marcel Marceau
Harpo Marx
Bill Mauldin
Michaelangelo
Marilyn Monroe
Edward R. Murrow
Stan Musial
Paul McCartney
Lord Nelson
Ryan O'Neal
Arnold Palmer
Pablo Picasso
Cole Porter
Raphael
Ronald Reagan
Robert Redford
Don Rickles
Nelson Rockefeller

Greek Life

TKE Chariot Pull

The weekend of November 2nd and 3rd, 1979 is being used by the Beta Eta Chapter of Tau Kappa Epsilon to hold their Second Annual Fund Raiser for Muscular Dystrophy. This year the Tekes will pull their Greek Week Chariot from their house at 1107 State St. in Rolla to the Gateway Arch in Downtown St. Louis, a total distance of approximately 125 miles. The quest shall begin at 3:00 p.m. on Friday and it is hoped the Arch will be reached sometime in the late morning or early afternoon on Saturday.

Jim Mullally, the Busch Beer Distributor for this region, is the main sponsor and is loaning a truck to follow the chariot. The support of all area businesses and people is needed to make this effort a success for the Tekes, Jerry Lewis (Muscular Dystrophy Associations national director), and for all those aided by the works of M.D.A. A

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goal for \$5,000.00 has been set by Tau Kappa Epsilon to help in the fight against muscle diseases, and with everyone's help it is a goal easily passed.

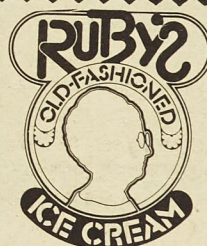
Last year the Tekes of Rolla joined with the Tekes of Springfield to roll a keg from Rolla to Springfield and raised \$1,500.00. This year the Beta Eta Tekes are on their own and with a lot of hard work, they will achieve both goals, the pull and the money. If you should wish to make a donation, in the form of either a pledge per mile or just a straight contribution, to this worth-while cause, call the TKE house at 364-8115 anytime.

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A representative of Sverdrup & Parcel will be on campus to conduct interviews on Tuesday, November 13, 1979.

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Fads, Fetishes, and Foolishness

"Yea, verily, if a man tooteth not his own horn, the same will not be tooted."

Those who fail to see the point in this incoherent discourse ought to read Aesop's little story about the farmer, his son and their ass.

About twelve years ago there came to us a certain professor from the University of Missouri with certain fads and theories. He said that he had found that in the long run the grades of several thousand students would be found to follow a certain curve; that 50 percent of the students would receive M, 15 percent S, 15 percent I, 5 percent E, and 5 percent F. He also very plainly stated that this rule should Not be applied to any single class, but that any teacher's average grades ought in the course of years approximate it.

There are university and college presidnets in this country who personally inspect every grade report to see that the grades of every class, big or little, stupid or brilliant, conforms to this rule. If these fellows cannot find any better way of killing time, they ought to resign and go to plowing corn.

I contend that the teacher in

charge of a class is the Sole judge of the qualifications of the members of that class. I hear that certain registrars or other college officials have plotted curves which will show the grade that every student ought to have in every subject in every semester of his college career. They disregard the fact that a student may be good in one subject but stupid in another. Anyone knows that curves derived from data on a small bunch of two or three hundred individuals are not reliable, but that makes no difference to those who have a mania for garbling statistics and plotting curves. I have seen them get a straight line from diagrams that look as if someone has shot a charge of bird shot from a blunderbuss at short range.

At any rate, the department of mathematics is not going to consult anybody's curves in order to find out how to grade its students; neither will we

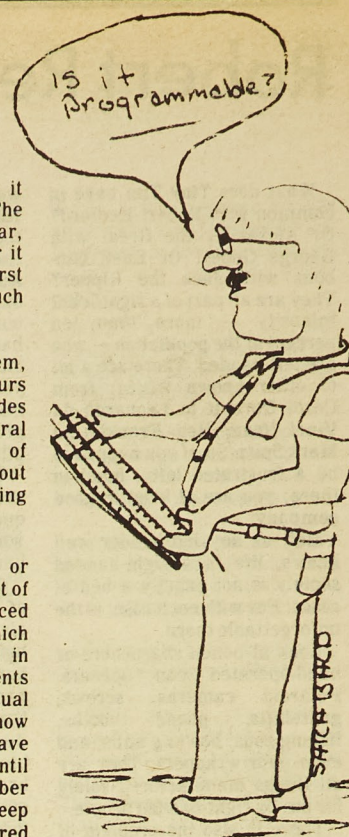
consult any of the football fans. Butting in on those matters by anyone is a case of colossal impudence, and the butters will be treated accordingly.

This same professor presented to the faculty a new system of grading, the "ranking" system, which was indeed "rank." Those who fell for it went so far as to tell the rest of us that we had no brains. According to this system the highest student ranked 1.00, the lowest who passed ranked 100.0, the grades or ranks of the rest of those who passed were interpolated between these extremes. The "flunks" were not mentioned. There were a lot of computations which nobody understood added to the "rank" report, filling a good sized sheet for each student, so that the registrar (?) could not send home the term reports until the middle of the next term. One fond parent, when he saw that his son was "ranked" 100 in trigonometry, sent the boy a gold watch and increased his

allowance. "Bully, boy; do it again", says the old man. The ranking system lasted one year, and those who had fallen for it like a ton of brick were the first to suggest its repeal. So much for the ranking system.

The excess credit system, providing for more credit hours for those who received grades above I, was in use several years, but on account of enabling seniors to cut out required courses in engineering subjects, it was abandoned.

Matters ran along more or less smoothly until the advent of "Doc" Armsby, who introduced the grade point system, which seems to work fairly well in keeping low-grade students from graduating in the usual four years. No matter how many credit hours they have they must stick around until they have the required number of grade points. It does not keep anyone who has the required number of hours from graduating, but only puts off the evil day.



Classified Ads

LOST: One very small female dog. Brown with black chin, wearing white collar and white flea collar. Last seen near corner of State and Eleventh. If found please contact Tom Dolan at 341-4720 or Charlou Dolan at 364-5082.

SIGMA TAU GAMMA Little Sisters invite everyone to their ROCKY HORROR, HORROR PARTY. Wednesday, Oct. 31 at 8:00 p.m., No. 5 Fraternity Drive. Prizes will be awarded for best costumes.

I have furnished apartment 1/2 mile from campus. Plenty of room. Rent and utilities reasonable but would like to cut my costs. Must like cats. Prefer E.E., Math or Comp Sci. major but will consider all those interested.

Write Box 243, Route 3 or call 364-8697

Found man's class ring upstairs of student union on Monday. Call 341-3121.

Haircuts — \$2.50 (afros only)
Batteries — 9 volt transistor batteries and "D" size batteries. Call Whimpy at Alpha Phi Alpha, 364-9968.

LOST: A girl's high school class ring at the Harry Chapin concert. If you have any info call 364-7581.

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ENGINEERS OPERATIONS RESEARCH ANALYSTS

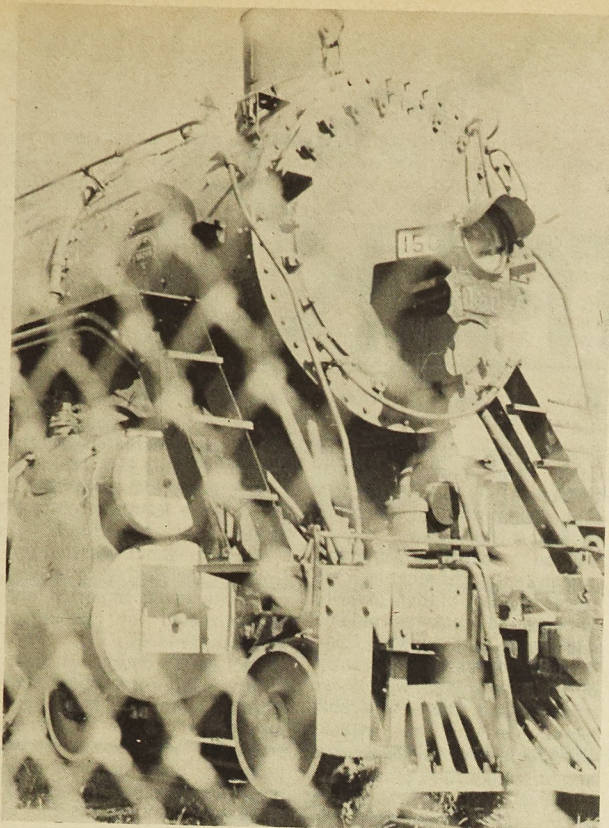
Recruiters will be interviewing candidates for career Federal positions at Fort Leavenworth, Kansas (45 minutes from downtown Kansas City).

Fort Leavenworth has mechanical engineer and operations research analyst intern vacancies. Fort Leavenworth also employs general, civil, electrical, sanitary and industrial engineers. Starting salary commensurate with qualifications. Many fringe benefits such as annual leave, sick leave, holidays, insurance, health plans and retirement.

Recruiters will be on-campus November 2, 1979. Sign-up in your Placement Office.

A Bachelor's Degree in Engineering is required for engineering positions. A Bachelor's Degree that included 24 semester hours of math is required for operations research positions.

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"Ghost of Steam"

By DAVID TANKESLEY

A vehicle of the past resides beside the railroad tracks and waits with the company of its tender and car. Reigning over the hill and the pond below, this cast iron beast sits carefully poised. It is a museum display for passers-by who simply glance that way, a fantasy land for children who look at it in awe and curiosity, a victim of the descriptive paper by an English student writing on whatever catches his fancy, a puppet waiting to be put to life in the imagination and words of a writer.

A chain link fence encloses the old locomotive and its tender and passenger car. The fence, meant to prevent vandals from scarring its contents, proves to have a weakness in defense. Those who are slim in body enter through a gap between the poorly secured gate and aging fence.

Once inside, a closer investigation is initiated. Just a few paces up the two concrete and four metal steps to the landing and an interior view of passenger car 563 is to your left and the back of the tender is to your right. The old door to the passenger car is locked but a look through the dust covered glass pane reveals that renovation is underway. The seats have been removed. The floor is strewn with paint cans, paper, and rags. An effort to restore the original features of the car has begun. Ghosts of pass passengers 'tap on the shoulder' of your memory, but disappear when your train of thought is broken by a passing diesel train.

A climb to the top of the tender reveals the rust scarred and pitted metal. Walking across the grey-black surface, you step on a hatch on the tender. It creaked in protest of your weight. When opened, the rustle of rust and sound of your voice echo in the tank. Visions of workmen going down the hatch to perform repair tasks enter your mind then fade as the investigation continues. Carefully stepping over and around the various pipes,

prepare to descend the front of the tender, down into the cab.

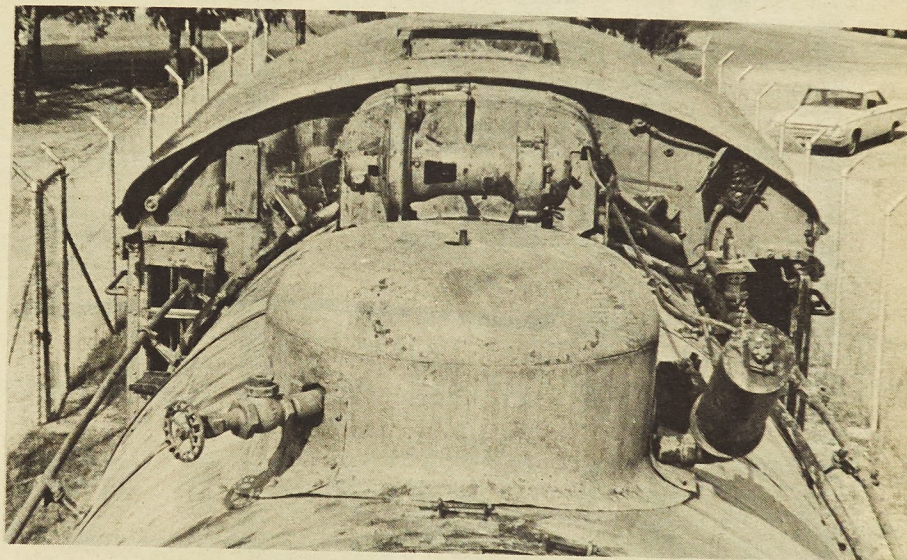
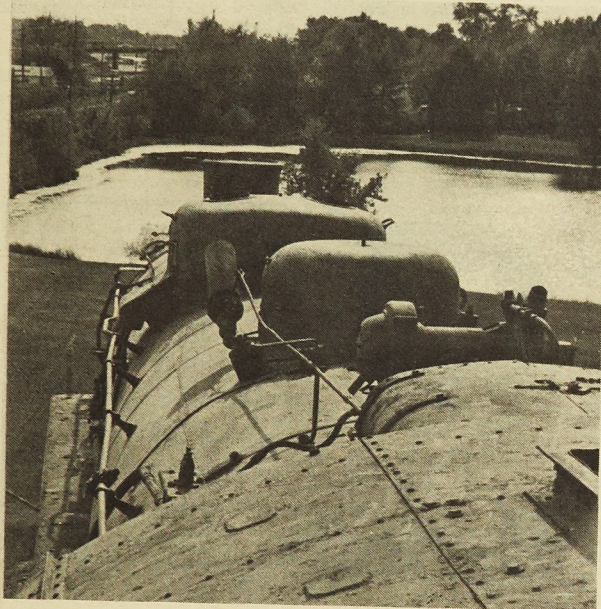
Now inside the cab, a maze of pipes and valves is at your disposal. The needless meters become functional and the rusty firebox seems hot as you envision being the operator of this iron horse. Sit in the conductor's seat, look out the window, now, reach for the whistle and pull the rope as the power of steam surges and throbs in your mind. Locomotive 1501 rides again! Full steam ahead!

Reality enters on stage. The train slows, the pressure drops, the firebox cools, and meter needles fade. All though remains are echoes of the whistle.

Leave the cab now, cling to the pipe along side of the boiler as you go along toward a small metal plate mounted on the side. It states: "The Baldwin Locomotive Works, Philadelphia, Pennsylvania, April, 1883. No. 56265".

As darkness approaches, a quiet exit is made through the gate. Engine 1501 and company rule over Schuman Park and await their next visitor.

Photos by
Paul Schaeffer



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BEER TALK

Some of the truly classic beers and ales imported from around the globe are brews befitting their Old World origins. Centuries-old German communities can boast of quality brews like Kulmbacher, Paulaner and Wurzbürger-Hofbrau. Czechoslovakia has its Pilsner-Urquell and Holland its Heineken's. Mexico is proud of its Carta Blanca just as the Dutch love their Grolsch and the Canadians their Molson's.

Ask the consumer who has just plunked down two dollars or more for one of these imported beers why he does it, and the answers may be as varied as the 160 different foreign brands currently on American retail shelves. Responses range from "it has character," or "it's the classiest beer on the market" to those reflecting the common misconception that import beers are significantly higher in alcoholic content than domestic brews.

As brewmaster-author John Porter put it, import aficionados "aren't eager to admit they may have been

influenced by classy advertising, elegant packaging — or even by the implication that a bit of status is conferred by the word 'imported' on the fancy label."

Generally, imported beers are considered to have a heartier, fuller-bodied flavor. Before addressing taste — the bottom line for true beer connoisseurs — let's consider the brewing methods and ingredients implemented by old world brewers; and later examine some unique aspects of certain brews from abroad.

Many foreign breweries are subject to strict laws which govern brewing of their beers. Bavarian beers, for example, must be brewed with all natural ingredients in accordance with Reinheitsgebot (pronounced Rine-Hites-Ga-Boat), the strict law which has governed brewing in that West German region since 1516. Under the measure, Bavarian beers, like Wurzbürger-Hofbrau and Kulmbacher may contain only barley malt, hops, yeast and water. The edict prohibits the use of other grains, chemically

modified grain extracts, chemical additives or preservatives.

A major difference between European beers and their domestic counterparts involves selection of hops and barley malts; key ingredients in brewing.

Hops are dried, cone-like fruit of vines that add aroma to beer in addition to serving as a natural preservative. Hops were first used in brewing by ancient Finns, but were not used again until the Ninth Century in Germany.

In the U.S., hops are grown mostly on farms in western states, but the finest hops in the world come from the Frankonian region of Northern Bavaria and Czechoslovakia. Few American brewers — exceptions include Anheuser-Busch and Coors — go to the trouble and expense to import these choice hops for their beers; some don't use real hops at all, but rather a hop extract.

Barley malt transforms grain starches into soft starch-sugar (maltose), in addition to im-

parting flavor, head, body and color. And most European beers owe their fuller flavor to a higher proportion of the grain than most U.S. brews.

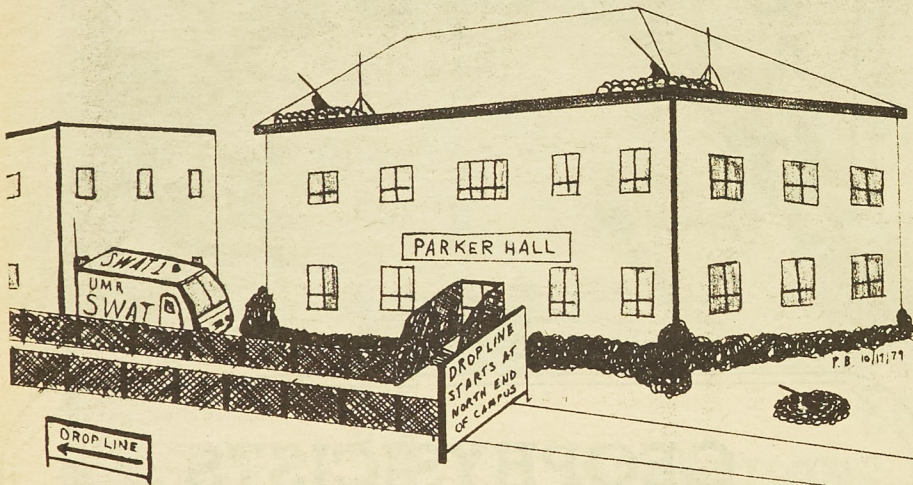
Even though American patrons enjoy the stout-hearted flavor of many of their favorite imports, the pressures could be doubled if they were to taste their "favorites" in the country of origin; or if there were other ways to ship these venerable brews o'er the seas without exposing them to air, heat, light and-or temperature changes.

"Once beer is packaged, it can only deteriorate in quality," says certified brewmaster August A. Busch III, chairman and president of Anheuser-Busch Companies, Inc. "Imports are especially susceptible to the main enemies of freshness — air, heat and light. They are subject to excessive temperature in the air,

which causes oxidation. By the time they get to U.S. retailers, their taste is often not what it was when it left the country of origin."

So, what about Wurzbürger-Hofbrau, the West German beer currently being imported and test-marketed by Anheuser-Busch in the U.S.?

Fact is, Wurzbürger-Hofbrau is the only imported beer shipped to the States in huge insulated super barrels (capacity: 166 barrels or 5,100 gallons) and bottled upon arrival in America. Says Busch, "Because our import is kept at just the right temperature in transit to reduce deterioration caused by oxidation, and not exposed to light as it would be in already bottled, Wurzbürger-Hofbrau is as fresh when it reaches the U.S. as when it left Germany...a meaningful consumer benefit."



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Edwin G. Leever to Speak

"Nobody wants to be taken advantage of," says Christian Scientist Edwin G. Leever in an upcoming lecture here.

As indicated in the title of the lecture, "Quit Conspiring Against Yourself!" Leever feels that each person can exercise a large measure of control over his own experience — as he learns to rely on his relationship with God.

Among a number of "conspiracies" which Leever discusses is hate — and how to overcome it. "We stop hatred's conspiracy against ourselves as we destroy it in our consciousness," says Leever; "and

we do this through love — a love much deeper than mere sentimental affection which admires friends and despises enemies, a love so pure it is just and loving to everyone."

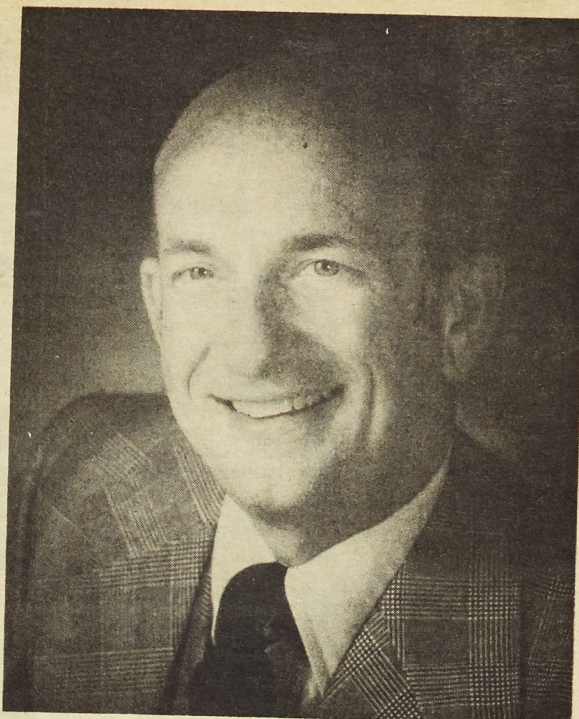
The only source of such love, Leever adds, "is God, divine Love."

"Hatred," he continues, "isn't always intense animosity. It can be any irritation however slight, any annoyance however trivial. Justifying hatred in any degree is not being obedient to what Christ Jesus taught. He laid it right on the line in the Sermon on the Mount when he said, 'Love your enemies.'"

Leever, of Winter Park, Florida, resigned from a career in the aerospace industry to become a Christian Science practitioner — devoting himself to the full-time healing ministry.

As a member of the Board of Lectureship of The First Church of Christ, Scientist, in Boston, Massachusetts, Leever travels widely, giving public lectures such as the one scheduled for Oct. 30 at 7:00 p.m. at the First Church of Christ, Scientist at 7th and State Street.

The UMR Christian Science Org. is sponsoring this free public lecture.



Edwin G. Leever

Groundwaves

(Moosebate, Wyoming)

Reports have been circulating locally of the appearance here of a strange, mysterious figure referred to in hushed tones as Wahrd. This man of renown is, as far as can be determined, traveling on a religious pilgrimage across this nation to spread the little known Hindu mystical practice Punya Go (the offensive way). Our research indicates that this practice centers at least in part around the care and tending of nature (as it pertains to reality). Apparently in compliance with these religious dictates Wahrd, a modern Johnny Appleseed, is winding his way up and down the Pacific coast spreading goodwill and selling what appears to be bootleg blues albums. Authorities believe they have the situation under control...

Hail and Farewell. To start off with, thank you all for your responses on the John Fahey special of last week. (P.S. to Lucy K., I'm sorry but I just couldn't work in any Toto.) Secondly, since this is my last Groundwaves ever, I feel entitled to impose one view on ya'll. If you're an engineering student, check out a novel called "Zen and the Art of Motorcycle Maintenance" by Robert Pirsig. It's probably the best thing I've ever read besides the Bible and some works of poetry. The story provides a fusion between the classical and romantic worlds that we will have to deal with someday. One warning: It will raise questions you may not want to deal with, and it may cause you to think very hard. But enough; on to the MUSIC.

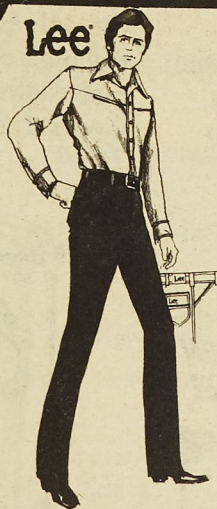
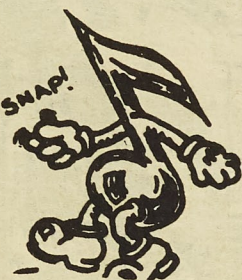
Sunday on Bluez Four Rollum we'll have a special show, "Roots of Blues". The RGRH will play the 4-sided Early Years album by Al Stewart at

4:00 p.m. Also on Monday will find Deep Purple's Machine Head on The Rolling Bozo Review Presidents at midnight. The artist feature for Tuesday night at 10 p.m. will be The Who as brought to us by Howboy. And Thursday has the Minors Aloud album by Lenny Breau and Buddy Emmonds on Improvisations.

In closing, let me say that it's been very fantasy-like. I don't know if anyone can believe this or not, but I've absolutely enjoyed UMR-Rolla and learned quite a bit that I obviously wouldn't have picked up anywhere else. Necessarily going with that are things we've missed. Look hard for them! (I will be). It's impossible to say anything about BFF or the station that wouldn't sound shallow so I won't.

"Cocaine and nitrous oxide, I think his train is here" is how one of my favorite songs ends. I'm going home.

Robert "Two Sheds" Steffen
10-23-79



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--Thaddeus Kosciuszko

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"Pike's Peak." But what if his name had been something else? What would the Colorado high country have done with Maury's Mountain?

Or Hockstein's Heights?
The 1859 gold rushers would not have charged halfway across a continent shouting "Hockstein's Heights or bust!"

Just look at the names that fill our early history. William Tecumseh Sherman. Ulysses S. Grant. George Rogers Clark. Meriwether Lewis. J.E.B. Stuart. Susan B. Anthony. Lucretia Mott. Nobody fools around with people like that.

And with a name like Adolph Coors, what else are you going to do but figure out how to brew a great beer in a better place than anybody ever brewed beer before. Did any of those city brewers ever climb a mile up in the Rockies just to get pure mountain spring water, or grow their own high country barley? Of course not. That's why Coors is special—the only beer that lets you taste the high country. The beer that makes all the others just city beer. Coors. It's a great name.

Taste the High Country.



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Sports

SMS Keeps Powder Keg

BY ED RANDALL

As the league's stingiest defense, (UMR Miners) and the league's leading offense (SWMS) took the field Saturday for a showdown it proved to be a tough battle for UMR. Mitch Ware recovered from an injury he had suffered in an earlier game and led SWMS to a 27-3 victory. The Miners had allowed only twenty-eight points total until this time.

The Miners received the kickoff and began the scoring with a 30 yard field goal by Craig Thomas. UMR took an early 3-0 lead. SMS came right back to score on a 50 yard fieldgoal by Mike Pallardy, bringing the tally to 3-3.

Dennis Pirkle who took over the quarterback duties showed he could handle the job. He completed 11 out of seventeen passes for 105 yards. Pirkle had

only one interception which came early in the second quarter on the Bears 24 yardline. Coach Finley stated that Pirkle's passes didn't have the same zing that Jeff Walters had and it possibly would have been dropped if Walters had thrown it. Walters who was supposed to start at wide-out had to sit the game out after suffering a cut to his hand in practice, last Thursday.

Coach Finley said, "We moved the ball well, but made mistakes. The timing was off a little with a new quarterback." The "mistakes" he is referring to are the three fumbles by the Miners in which they lost. All three were in the Bear's territory.

Brian Paris bruised his ribs on the first play of the game. Oscar Berryman took his place for the first two quarters and on thirteen carries had 120 yards

rushing to be the game's leading rusher. Paris came back to play in the second half some, but whether he will be able to play this Saturday is uncertain. On Sunday Paris was in a lot of pain.

The second half of the game was dominated by SMS and gave UMR very little offensive time. Mark Daniels, the league's leading rusher, scored two touchdowns for the Bears and rushed for a total of 90 yards on twenty-three carries.

Coach Finley felt that Jim "Bo" Decker played an outstanding defensive game and said "If everyone played as well we wouldn't have had to use stunt plays."

This week the Miners take on NWMS, who has sole possession of first place in the MIAA League. Finley stated that it

should be "a real good game," and that their defense would be the smallest in size the Miners will have played against. Donald Lott has been the biggest offensive threat for NWMS, he has rushed 75.5 yards per game so far. He had three 100 yard games until last week when NWMS beat NEMS, 13-9. Mark Smith, quarterback for the Bearcats, has completed forty-five out of 103 passes for 679 yards.

The kickoff will be at 1:30 at Jackling field.

	Overall	League
NWMS	4-4	3-0
SEMO	2-4-1	1-1
NEMO	2-5	1-1
Lincoln	4-3	1-1
UMR	4-2-1	1-2
SWMS	4-3	1-2
CMS	1-5	1-2

NWMS Surprise in MIAA

MIAA Release

JEFFERSON CITY, MO — Senior quarterback **Mark Smith** came up with a couple of career bests Saturday in Northwest Missouri State's 13-9 victory over Northeast Missouri State and is this week's Missouri Intercollegiate Athletic Association "Offensive Player of the Week."

A native of Kansas City, Mo., Smith had 262 yards of total offense, including 185 yards passing, both marks his highs as a Bearcat. His leadership has gotten Northwest off to a 3-0 start in the MIAA — the Bearcats' best league start since 1939. Overall, Northwest is 4-4.

This week's "Defensive Player of the Week" is Southwest Missouri linebacker **Dennis O'Hagan**. A junior from Belton, Mo., O'Hagan held an injury-riddled Southwest team together Saturday as the Bears held Missouri-Rolla to 45 yards of total offense in the second half enroute to a 27-3 victory. O'Hagan was in on 11 tackles, forced one fumble and recovered two others and had a quarterback sack.

Other offensive nominees included Lincoln running back Mike Briggs (Henderson, Ky.) who gained 97 yards on 10 carries including a 44-yard touchdown run in LU's 29-17 loss at Central Missouri, Southwest Missouri fullback Mark Daniels (St. Louis, Mo.) who picked up 90 yards on 23 carries and ran for two scores giving him a touchdown in every game this year and two or more in Southwest's last four contests, Missouri-Rolla wide receiver Perry Harris (Rolla, Mo.) who caught 7 passes for 75 yards Saturday to nearly double his season's output, and Northeast Missouri kicker Bob Fletcher (Burnaby, British Columbia) who continued his stellar play

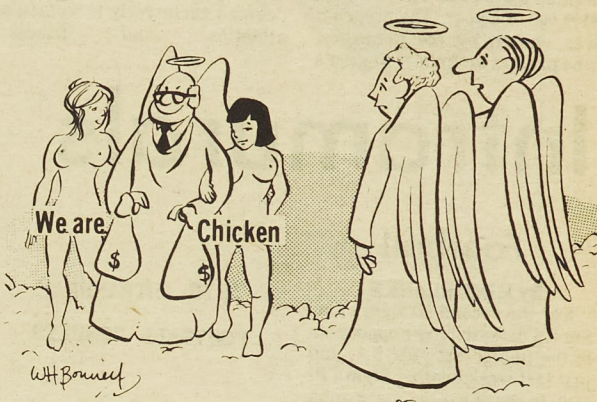
against Northwest by kicking a school-record equalling 52-yard field goal and set an MIAA single-game mark by averaging 53 yards on six punts.

Other defensive nominees included Northwest nose guard Charles White (Independence, Mo.) who forced a fumble that set up a Bearcat field goal and sacked Northeast quarterback Craig Towbin on a two-point conversion try late in the game, Central Missouri defensive back Randy Green (Pawnee, Okla.) who made two key interceptions to stop Lincoln's second-half comeback hopes, Missouri-Rolla safety Bill Grantham (Springfield, Mo.) who had five unassisted and 11 assisted tackles and Lincoln defensive end Bernard Mitchell (Lynchburg, Va.) who made 16 tackles including a quarterback

sack Saturday.

Homecoming contests at Lincoln (vs. Southeast Missouri) and Northeast Missouri (vs. Central Missouri) highlight this week's league schedule. Other games find Northwest Missouri travelling to Missouri-Rolla and Southwest Missouri travelling cross town to face Evangel in a non-league tilt.

This week's games could do a lot towards untangling the league race that shows Northwest Missouri as the only undefeated team but has all six other schools within reach of the top spot. History, however, is on the side of Northwest, Lincoln, Southeast and Northeast. Never in MIAA history has a team won the football championship with more than one loss in league play.



M-Club Athlete of the Week

Frank Werner, middle halfback for the UMR soccer team, was chosen Athlete of the Week for his outstanding defensive efforts against Florissant Valley Junior College. Frank, the middle halfback and backfield leader, did a good job containing the Flo Valley center striker. His play brought recognition to the defense as he went for the ball and turned it around well.

Rifle Team Wins Again

RIFLE TEAM RELEASE

The UMR Rifle team traveled to Springfield this past weekend

The scores were as follows:

UMR Team 1 2056	SMSU Team 1 1842
UMR Team 2 1840	SMSU Team 2 1756

Firing for UMR on first team were Mike Mertz (527), Roy Viele (525), Robert Lee (515), Robin Thompson (489), and the second team was Charlie Pellegrino (489), Craig Beck (471), Brian Rees (459), Eric Small (421). The Rifle Team is now 2-0 on the season.

This weekend the Rifle Team is hosting the 1st Miner Outdoor Invitational Rifle Tournament to be held at Fort Leonard Wood, MO. This tournament is one of very few outdoor matches held in the nation. There will be teams coming from all over the nation.

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Women's Sports Membership Drive

PRESS RELEASE

Palo Alto, California, September 10

The San Francisco Women's Rugby Team, the North Texas Women's Soccer Club and hundreds of college teams and organizations across the country have found an easy way to put extra cash into their treasuries. They've joined the WOMEN'S SPORTS Membership Drive and are using the funds to buy new uniforms, finance trips and purchase equipment. In fact, the Rhode Island All Stars Basketball Team will travel to Ireland this fall, using money earned by participating in the WOMEN'S SPORTS Membership Drive. Through the Membership Drive, WOMEN'S SPORTS anticipates supplementing women's athletics budgets with \$100,000 this year. The program was chosen by the publisher, who prefers to support women's

athletics rather than expensive advertising and promotional campaigns.

The Membership Subscription Drive was instituted this fall when WOMEN'S SPORTS Magazine and the Women's Sports Foundation saw an opportunity to boost women's athletics and sell magazine subscriptions at the same time. They decided to help teams raise funds by offering them \$5.00 in cash for each new member they signed up. Teams need only recruit 20 new members to receive \$100.00, while 200 new members will add \$1000.00 to the treasury. A membership costs \$12.50 and includes a subscription to WOMEN'S SPORTS Magazine as well as a membership in the Women's Sports Foundation. WOMEN'S SPORTS, a new monthly, is the only magazine devoted exclusively to women's athletics and fitness.

WOMEN'S SPORTS covers everything from tennis to track and field along with articles on health, fitness and beauty. Readers are informed of all women's collegiate sporting events and will find profiles of top college players. Additionally, each year WOMEN'S SPORTS compiles the only women's athletic scholarship guide, listing over 10,000 available awards.

The Women's Sports Foundation was organized to provide opportunities for girls and women of all ages to participate in sports. Membership benefits include:

- A 12-month subscription to WOMEN'S SPORTS Magazine
- Discounts on books and travel opportunities
- Access to the Foundation library and resource center
- Foundation membership button and card

button and card

Teams and organizations that join the Membership Drive receive special kits that include a copy of WOMEN'S SPORTS Magazine, order forms and instructions to be distributed to team members. For kits and information, write to Joanne Wallenstein, 307 Town and Country Village, Palo Alto, CA 94301 or call collect at (415) 321-5102.

Women's Club Soccer

By GERRY SCHNITZLER

The Women's Club Soccer team, playing in the Gateway Soccer Association League of St. Louis, is now 1-1-3 on the season. The team got its first victory last Sunday, October 21, against United Van Lines.

The game with United Van Lines was played in St. Louis. Pauli Fitzgerald scored the only goal in the game midway through the second half. The 1-0 victory gave the team its first

victory in five outings.

The previous Saturday, October 20, the Women's Club Soccer team played to a 1-1 tie with Tom Moran's Dutch. The game was 1-0 in the Dutch's favor until Fitzgerald scored in the final minutes for UMR, tying the scoring at the game's end.

The women's team lost to Haas Bakery on October 7, 1-0. They also lost to Tom Moran's

Dutch on October 14, 2-0. This weekend the Club Soccer team will travel to Kansas City. Rockhurst will have an eight team tournament over the weekend for women's soccer.

The Women's Club Soccer team is coached by Chris Phillip and is in its first year at UMR. With a little more time and experience, UMR Women's Club Soccer may just raise quit a few eyebrows in the league.

Intramurals

Football

By MIKE BLANKE

For the second straight year, Sig Ep defeated their opponents in the finals, last year KA, and just last week beating Sigma Pi 26-0. In the upper league, Kappa Sig beat KA in overtime for third place. In the lower league, the Mates defeated Wesley 28-27 for the first place title, and Delta Tau Delta beat Manor Inn 7-6 to capture third.

Men's Swimming

On the evenings of October 10 and 11, 1979, Kappa Sigma placed first among the 23 entered organizations in this year's intramural swimming meet. The key to the Kappa Sig's success was placing in every single event. They did not score many firsts but rather won because of a steady and balanced attack.

Special notice goes to freshman Paul Ketterer from PiKA who swam away from the field to capture first place in both the 100 and 200 freestyle races. The top four finishers were: Kappa Sig 57, Sigma Nu 44, PiKA 24 and KA 21.

Women's Swimming

AWS showed their swimming strength to fans and participants alike on Wednesday and Thursday, October 10 and 11 by swimming away with the 1979 Girls Intramural Swimming Title. This victory kept them atop of the over point list for girls in this year's Intramural competition.

Below are listed the swimming point totals as well as over intramural points as of Oct. 24.

ABS	0	10.5
AWS	60	126
Chi Omega	35	84.5
Crescents	0	37.5
Kappa Deltas	55	100
MSRA	0	42
Stardusters	40	79
TJHA	50	89
WHA	30	90
ZTA	45	97.5

1979 INTRAMURAL

FOOTBALL RESULTS

DIVISION I

Organization Record

1. Sig Ep	8-0
2. Sig Pi	5-3
3. Kappa Sig	6-2
4. Kappa Alph	5-3
5. Phi Kap	4-2
TKE	4-2
7. RHA	3-3
8. Pi KA	2-4
Beta Sig	2-4
Sig Nu	2-4
TJHA	2-4
Tech-Eng	2-4
13. ABS	1-5
14. Campus	0-6

DIVISION II

1. Mates	7-1
2. Wesley	7-1
3. Delta Tau	6-2
4. Manor Inn	4-4
5. Lambda Chi	4-2
Sig Tau	4-2
Triangle	4-2
8. Delta Sig	3-3
Theta Xi	3-3
10. GDI	2-4
11. BSU	1-5
CCH	1-5
13. A. E. Pi	0-6
Acacia	0-6

Water Polo to play in LIT

BY ED RANDALL

This week the UMR Water Polo team will play in the Loyola Invitational Tourney at Chicago. UMR has a 9-0 record and this will be like their National Championships since Water Polo at UMR is only a club sport and not a varsity sport.

UMR begins play on Friday at noon against Chicago Circle at Circle Campus, then at 4:00 they will play Loyola at Loyola. Loyola is fifth in the NCAA rankings and has been beaten twice by Circle. The first loss was 15-9, and the second came after a triple overtime loss of 12-11.

The Miners will take on Indiana at 8:00 at Loyola.

On Saturday they play Air Force at 9:00 and Ohio State, ranked the weakest in the tournament, at 3:00. Both games will be held at Circle.

UMR will be up against stiff competition since Loyola and Circle are both picked to contend in the NCAA Championships.

The only shady spot for UMR is goalie, Tom Beyer. He has a slight groin pull and if he doesn't hurt it during practice will be ready for action Friday.

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Football Forecasts by Joe Harris

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* Home Team

PROBABLE WINNERS & SCORES

*OAKLAND	20
Adrian	14
*Akron	21
*ALABAMA	35
Albright	34
Alcorn State	28
*Alfred	21
Appalachian State	21
*ARIZONA STATE	28
*Arkansas State	17
*ARKANSAS	17
AUBURN	24
*Austin Peay State	28
*Baldwin-Wallace	14
*Ball State	17
*BAYLOR	24
Boise State	34
BOSTON COLLEGE	14
*Boston U.	24
*BRIGHAM YOUNG	35
*Butler	14
Capital	17
Central Michigan	31
Cheyney State	14
*CINCINNATI	27
*Citadel (The)	21
Clarion State	21
*CLEMSON	14
Colby	21
COLGATE	24
*COLORADO STATE U.	17
CORNELL	21
Davidson	14
Dayton	28
*Delaware	28
*Denison	21
Eastern Illinois	21
Eastern Kentucky	21
Edinboro State	21
*Emory & Henry	20
*Evansville	17
*Florida A. & M.	41
*FLORIDA	21
*Franklin	17
*Franklin & Marshall	21
*GEORGIA	21
Glassboro State	14
Grambling	28
Hawaii	24
*HOLY CROSS	24
Hope	21
*Howard U. (D.C.)	21
*Indiana State	21
Indiana U. (Pa.)	24
IOWA	17
*James Madison	14
Junata	14
Kalamazoo	21
Kentucky State	21
*Kutztown State	28
*Lafayette	24
Lebanon Valley	14
Lehigh	14
Lock Haven State	21
*LOUISIANA STATE	14
*Louisiana Tech	17
Lycoming	21
Mansfield State	14
MARYLAND	17
Massachusetts	17
McNeese State	21
*MEMPHIS STATE	21
*Miami (Ohio)	31
*MICHIGAN	35

PROBABLE LOSERS & SCORES

SAN DIEGO	17
*Olivet	7
Northern Michigan	7
VIRGINIA TECH	7
*F. D.--Madison	0
*Bishop	7
Rochester	7
*East Tennessee State	20
UTAH STATE	14
Lamar	14
HOUSTON	14
*WAKE FOREST	21
Middle Tennessee	7
Ohio Northern	7
Bowling Green	14
TEXAS CHRISTIAN	7
*Weber State	13
*ARMY	13
Rhode Island	14
NEW MEXICO	14
St. Norbert	13
*Wooster	14
*Kent State	7
*Bloomburg State	13
RICHMOND	14
Wofford	14
*California (Pa.) St.	14
NORTH CAROLINA STATE	13
*Bates	14
*COLUMBIA	14
AIR FORCE ACADEMY	14
*DARTMOUTH	14
*Guilford	13
*Liberty Baptist	14
William & Mary	7
Mount Union	14
*Northern Iowa	14
*Murray State	13
*Slippery Rock State	14
Hampden-Sydney	14
Indiana Central	14
Tuskegee Institute	7
TULSA	14
Valparaiso	14
Susquehanna	6
KENTUCKY	14
*Central Connecticut	7
*Texas Southern	7
U. Texas (El Paso)	14
BROWN	21
*Albion	14
Hampton Institute	7
Illinois State	14
*Waynesburg	14
*WISCONSIN	14
Randolph-Macon	6
*Delaware Valley	13
*Alma	13
*Delaware State	7
West Chester State	14
Maine	14
*Ursinus	13
*Bucknell	13
*Shippensburg State	14
FLORIDA STATE	13
U. Texas (Arlington)	14
*Upsala	14
*Brockport State	7
*DUKE	14
*Connecticut	14
*U. Tenn. (Chattanooga)	14
NORTH TEXAS STATE	14
Toledo	14
INDIANA	14

PROBABLE WINNERS & SCORES

*Middlebury	42
Millersville State	21
*MINNESOTA	24
*MISSISSIPPI STATE	17
*MISSISSIPPI	35
*MISSOURI	31
*Montana State	35
*Montana	24
*Montclair State	21
*Moravian	14
*NEBRASKA	42
*New Hampshire	21
*NORTH CAROLINA	31
*North Dakota	42
*NOTRE DAME	24
*OHIO STATE	28
*Ohio U.	21
OKLAHOMA STATE	17
*OKLAHOMA	35
OREGON	17
Pacific Lutheran	28
*Pacific (Calif.)	17
*PENN STATE	35
*PITTSBURGH	24
PRINCETON	17
Puget Sound	28
*PURDUE	38
St. Joseph's (Ind.)	14
SAN DIEGO STATE	24
San Jose State	28
South Carolina State	21
South Dakota State	14
SO. CALIFORNIA	24
So. Illinois	21
*Springfield	21
STANFORD	28
*Swarthmore	21
SYRACUSE	14
Tennessee State	21
TEXAS A. & M.	24
TEXAS	24
Towson State	14
*Trinity (Conn.)	42
Troy State	21
*Tufts	21
*TULANE	17
*U. Mo.--Rolla	27
*U. Nebr.--Omaha	28
Villanova	35
*V. M. I.	24
Wagner	21
WASHINGTON	17
*Wesleyan	14
*Western Carolina	21
*Western Kentucky	17
*Western Maryland	28
WEST TEXAS STATE	21
*Widener	35
Williams	14
*Wittenberg	35
*Wyoming	21
*YALE	31
*Youngstown State	35

PROBABLE LOSERS & SCORES

Hamilton	6
*East Stroudsburg St.	14
ILLINOIS	14
SO. MISSISSIPPI	14
VANDERBILT	14
KANSAS STATE	14
Idaho	14
U. Nevada (Reno)	21
So. Connecticut	7
Johns Hopkins	13
COLORADO	14
Northeastern	7
EAST CAROLINA	14
Morningside	7
SOUTH CAROLINA	14
MICHIGAN STATE	14
Western Michigan	7
*KANSAS	14
IOWA STATE	7
*WASHINGTON STATE	14
*Lewis & Clark	7
Fresno State	14
WEST VIRGINIA	7
NAVY	14
*HARVARD	14
*Humboldt State	14
NORTHWESTERN	7
*De Pauw	6
*UTAH	14
*Long Beach State	14
*No. Carolina Central	7
*North Dakota State	13
*CALIFORNIA	7
*Northern Illinois	7
American International	14
*OREGON STATE	14
Muhlenberg	14
MIAMI (FLA.)	13
*Southern U. (La.)	14
*RICE	7
*SO. METHODIST	7
*Ashland	6
U. S. C. G. Academy	6
*Tennessee Tech	7
Amherst	14
GEORGIA TECH	14
N. W. Missouri	6
South Dakota	14
*Marshall	14
Furman	14
*Merchant Marines	6
*U. C. L. A.	13
Bowdoin	14
Lenoir Rhyne	14
Morehead State	14
Dickinson	6
*WICHITA STATE	14
Gettysburg	7
*Union (N.Y.)	6
Muskingum	14
U. Nevada (L.V.)	20
PENNSYLVANIA	14
Western Illinois	14

SUNDAY, OCTOBER 28, 1979 NATIONAL FOOTBALL LEAGUE

BUFFALO	17	*DETROIT	16
CHICAGO	16	*SAN FRANCISCO	14
*DENVER	17	KANSAS CITY	16
*HOUSTON	24	NEW YORK JETS	17
*LOS ANGELES	24	NEW YORK GIANTS	14
*MIAMI	19	GREEN BAY	10
*MINNESOTA	17	TAMPA BAY	16
NEW ENGLAND	24	*BALTIMORE	13
PHILADELPHIA	16	*CINCINNATI	14
*PITTSBURGH	16	DALLAS	13
*ST. LOUIS	17	CLEVELAND	16
*WASHINGTON	20	NEW ORLEANS	17
*ATLANTA	20	SEATTLE	17

MIAA Standings and Results

School	MIAA	Pct.	Overall	Pct.	Pts./Avg.	Opp./Avg.	Results from 10/20/79
NWMSU	3-0	1.000	4-4-0	.500	128 16.0	159 19.9	Beat NEMSU, 13-9.
LU	1-1	.500	4-3-0	.571	139 19.9	157 22.4	Lost to CMSU, 29-17.
SEMSU	1-1	.500	2-4-1	.357	114 16.3	135 19.3	Idle
NEMSU	1-1	.500	2-5-0	.286	54 7.7	161 23.0	Lost to NWMSU, 13-9.
UMR	1-2	.333	4-2-1	.643	126 18.0	55 7.9	Lost to SWMSU, 27-3.
SWMSU	1-2	.333	4-3-0	.571	198 28.3	159 22.7	Beat UMR, 27-3.
CMSU	1-2	.333	1-5-0	.167	75 12.5	140 23.3	Beat LU, 29-17.

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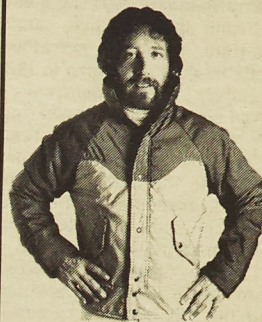
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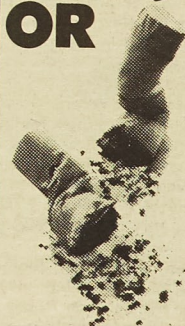


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"Accepting the loss of for an End"

By BERNIE BEGLANE

Sacrifice: to accept the loss of for an end. — The Merriam-Webster Dictionary.

Herb Lindsay did not bother checking out the definition of the word before deciding to give up his position as an elementary school teacher in order to train for the 1980 Olympics.

Neither did Herb's wife, Theresa, who left the employ of the State of Michigan in order to relocate in Boulder, Colo., with her husband.

Why Boulder? It is the home of Frank Shorter, Uncle Sam's two-time Olympic marathon medalist-gold in Munich in 1972 and silver in 1976 in Montreal.

And since Lindsay is wearing the 'hottest shoe' in the road racing circles today, why not train with the best? To do so, Herb, a graduate of Michigan State, relinquished his teaching assignment in Okemos, Mich.

Theresa, likewise, departed from the security of a position with the Michigan government.

The move has paid off handsomely as far as track is concerned, although there is no question that he — and Theresa — are hurting in the pocket-book.

But then again, that nine-letter word, sacrifice, never contained anything in its definition about the road to Moscow being paved with gold.

Lindsay, who works a few

hours a day as an employee of Frank Shorter's Sports Store in Boulder, has captured 11 of 14 races this year. Most noteworthy was the National AAU 10,000-meter kilometer championship at Purchase, N.Y.

In posting a time of 28 mins, 34.2 seconds in that 6.2-mile event, the 5-9½, 145-pounder numbered Bill Rodgers, the top-ranked distance runner in the world over the last two years, among his victims.

Also conquered was Craig Virgin, a longtime nemesis from the University of Illinois. The 23-year-old Lebanon, Ill., native was undefeated for the year heading into the 10,000 title run.

"I had been teaching for three years," explains Herb, who calls Reed City, Mich., his hometown. "Obviously I didn't give up the security without giving the decision some deep thought."

"The same for my wife. We

had medical and dental benefits and everything else that goes with good jobs. We gave a lot of money to the U-Haul Co. in relocating to Boulder."

"Now I spend a few hours each day in Frank's store and spend the rest of the time training. I run about 100 miles a week. No doubt about it, the Olympics are uppermost in my mind. Whether this is all worth the effort won't be known until we get to Russia."

While at Michigan State, Herb was never allowed to run the distance events which he said, "I had been running ever since I was a kid."

"Nothing against the coach, but he had me in one and two-mile runs and in relays. I never considered myself a miler. Once I got out of college, I broke out on my own in the longer races."

"Craig (Virgin, who was at Illinois at the same time) dominated the Big Ten Conference, so I never really won

any titles."

"He was the cross country champion four years in a row and I was second to him twice. I do hold some school records at two and three miles and 5,000 meters."

Lindsay won the Catoclin Mountain 10,000-meter run at Camp David, Md., prior to his National AAU triumph, and in case that race sounds familiar it should.

President Jimmy Carter was a contestant in that event. He collapsed and never finished.

"The Washington Post never even mentioned me as the winner the next day and I was quite angry," related Herb. "It was too busy cutting up President Carter, but that's what they get paid for I guess. Guys like me don't get a line."

Maybe things will change after Moscow, Herb.

Miner Soccer

By GERRY SCHNITZLER

The Miner NCAA Soccer Squad bowed to Florissant Valley Community College last Sunday, October 21, losing 4-0.

Florissant Valley Community College is listed in the top four in the National Junior College Athletic Association of Soccer. The game was a learning experience for the Miner varsity squad. The game will go down in the record book as a 4-0 loss.

The Miners can consider the game itself as a victory, however, since the score was respectable and the game played on an NCAA level versus a Club level.

Flo. Valley is now 11-1 on the year. The Miners are 5-3. Donny Anselm is playing again despite his recent shoulder injury. This Saturday, October 26, the Miners play Meramac in St. Louis. The next home game is with Logan College, Sunday, November 11, at 12:00.

Sports Fans

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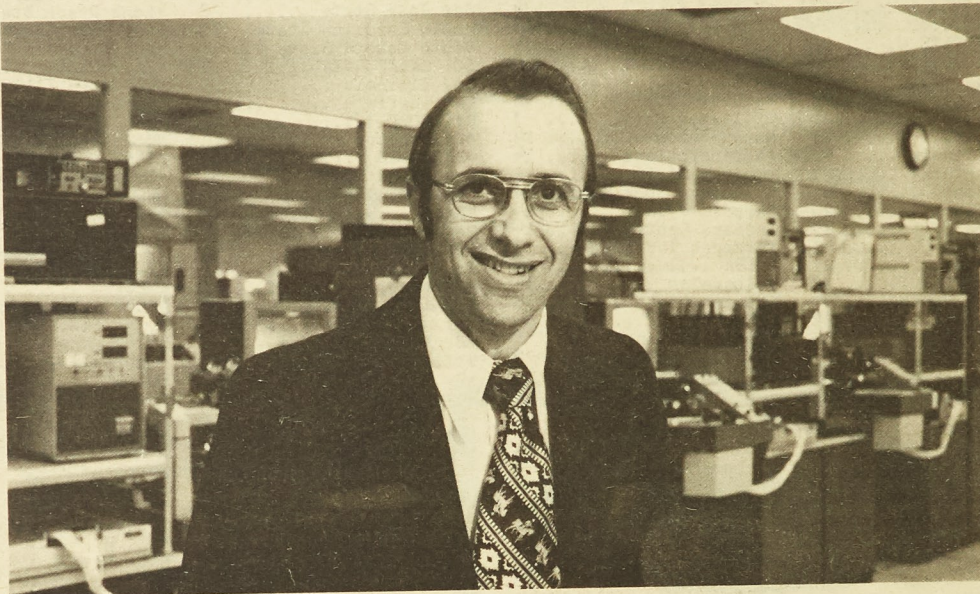
Here's a fantastic record. Do you know there's a college football team that won its first game of the season for an incredible 65 straight years! Princeton won its first game of the season EVERY year from 1878 through 1942!

Here's an interesting football question for you. What player once won the Heisman Trophy as the best college football player in the nation even though oddly enough the team he played on LOST 8 out of 10 games that season! The answer is Paul Hornung who won the Heisman in 1956 while playing for Notre Dame. That season Notre Dame won only 2 games and lost 8-but Hornung was still voted the Heisman Trophy.

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I came here because I saw the growth potential of Automotive Electronics. With nothing but growth ahead, we have a continuing need for creative people who can and will assume responsibility. When you have a lot of responsibility, you have the

ability to influence your job and grow with it. I like it here. We have an excellent personnel review system that guarantees high quality two-way communications to help us succeed. Delco Electronics has a commitment to success and I'm proud to be a part of it."

We will be on campus next week to meet Electrical Engineers, Chemical Engineers, Mechanical Engineers and Industrial Engineers.

Delco Electronics



An Equal Opportunity Employer

The future is... Delco Electronics

Delco Electronics Division of General Motors 700 E. Firmin Street
Kokomo, Indiana 46901

Engineering Opportunities are also available in our Milwaukee, Wisconsin and Santa Barbara, California Facilities